DOCKET NO: 246310US0

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF	:
OSAMU TACHIZAWA, ET AL.	: EXAMINER: CHANNAVAJJALA, LAKSHMI
SERIAL NO: 10/729,959	:
FILED: DECEMBER 9, 2003	: GROUP ART UNIT: 1615
FOR: AQUEOUS HAIR CLEANSING COMPOSITION	:

DECLARATION UNDER 37 C.F.R. §1.132

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Now comes Dr. Takeshi Kaharu who deposes and declares that:

1. I am a graduate of Osaka University and received my doctoral degree in the year 1994.

2. I have been employed by the Kao Corporation since 1994, as a researcher in the field of organic chemistry. Since 1994 I have been a researcher in the Material Science Research Laboratories and since 2004 I have been involved in Hair Care Research Laboratories.

3. The following experiments were conducted by me or under my direct supervision and control.

Hair cleansing compositions as described below were prepared using sulfate 1 and comparative sulfate 3 as described in the above-identified specification. Foaming speed, lubricity upon shampooing, luster and manageability of the hair after drying was evaluated by the techniques described in the above-identified application.

Component (wt.%)	Example		Comparative Example		
	Add Ex 1	Add Ex 2	Add Comp Ex 1	Add Comp Ex 2	Add Comp Ex 3
Sulfate 1	12	12	12		
Comparative Sulfate 3				12	12
Dimethylpolysiloxane	1			1	
Amino-modified silicone		0.5			0.5
Myristyl alcohol	1	1	1	1	1
Ethylene glycol distearate	3	3	3	3	3
Cationic hydroxyethyl cellulose	0.2	0.2	0.2	0.2	0.2
Cationic guar gum	0.3	0.3	0.3	0.3	0.3
Malic acid	0.75	0.75	0.75	0.75	0.75
Purified water	Balance	Balance	Balance	Balance	Balance
pH (when diluted to 20 times the weight with water, 25°C)	3.7	3.7	3.7	3.7	3.7
Foaming speed	20	20	15	10	10
Lubricity of foam	23	20	13	15	13
Luster and manageability	20	20	10	18	15

Dimethylpolysiloxane and amino-modified silicone are the same components in the specification
Five experts evaluated each composition
Each composition was evaluated by the sum of their scores

Foaming speed	Lubricity of foam	Luster and manageability
5 very fast foaming	very lubricious	very good
4 fast foaming	lubricious	good
3 a little fast foaming	somewhat lubricious	somewhat good
2 a little later foaming	not so lubricious	not so good
1 late foaming	not lubricious	not good

I declare under penalty of perjury under the laws of the United States of America that the foregoing is believed to be true and correct. 28 USC 1746(1)

Takeshi Kaharu

Dr. Takeshi Kaharu

10.14.2009

Date